Lhasa Carcinogenicity Database Report

Report Date	Software Version	Database Version
01 October 2021 16:35:18	2.0.1	2021.1

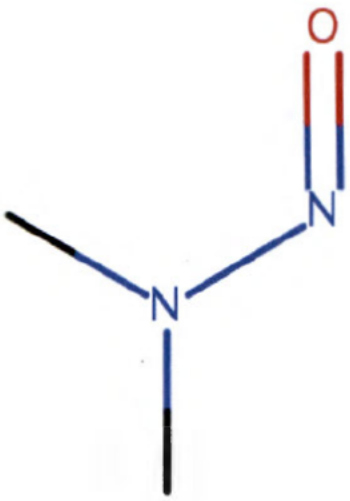
Nitrosodimethylamine

Summary

Species	Lhasa TD_{50} (mg/kg/day)	Gold TD_{50} (mg/kg/day)	Result	Sex	Tumour Sites
Mouse	-	0.189	Positive	Female	Brain- forebrain, Lung
			Positive	Male	Brain- forebrain, Liver
			No Data	Unspecified	-
Rat	0.177	0.0959	Positive	Female	Liver
			Positive	Male	Kidney, Liver, Lung, Testes
			No Data	Unspecified	-
Rhesus monkey	-	-	No Data	Female	-
			No Data	Male	-
			Not specified	Unspecified	-

Chemical Structure

Chemical Name	Nitrosodimethylamine
Synonym(s)	N-Methyl-N-nitrosomethanamine; Dimethylnitrosamine; N-Nitrosodimethylamine; Dimethylnitrosoamine; Dimethylnitrosoamide; N-Nitroso-N,N-dimethylamine
CAS Registry Number®	62-75-9
Chemistry Unique Identifier	62-75-9
Molecular Weight	74.08
Molecular Formula	C2H6N2O
SMILES	CN(N=O)C
InChI	InChI=1/C2H6N2O/c1-4(2)3-5/h1-2H3



Lhasa Limited

Carcinogenicity Database

Lhasa Carcinogenicity Database Report

Report Date	Software Version	Database Version
01 October 2021 16:36:19	2.0.1	2021.1

Nitrosodiethylamine

Summary

Species	Lhasa TD_{50} (mg/kg/day)	Gold TD_{50} (mg/kg/day)	Result	Sex	Tumour Sites
Bush baby	-	0.0122	No Data	Female	-
			No Data	Male	-
			Positive	Unspecified	Nasal cavity- mucosa
Cynomolgus monkey	0.229	0.00725	No Data	Female	-
			No Data	Male	-
			Positive	Unspecified	Liver
Rat	0.0177	0.0265	Positive	Female	Forestomach, Liver, Multiple sites, Oesophagus, Tongue
			Positive	Male	Gastrointestinal tract, Liver, Multiple sites, Oesophagus, Urinary tract
			No Data	Unspecified	-
Rhesus monkey	0.0026	0.0536	No Data	Female	-
			No Data	Male	-

			Positive	Unspecified	Liver

Chemical Structure

Chemical Name	Nitrosodiethylamine
Synonym(s)	Diethylnitrosamine; N-Nitroso-N,N-diethylamine; Diethylnitrosoamide; N-Nitrosodiethylamine; N-Ethyl-N-nitrosoethanamine
CAS Registry Number®	55-18-5
Chemistry Unique Identifier	55-18-5
Molecular Weight	102.14
Molecular Formula	C4H10N2O
SMILES	CCN(N=O)CC
InChI	InChI=1/C4H10N2O/c1-3-6(4-2)5-7/h3-4H2,1-2H3